## **Clean Version of Pending Claims**

## FLEXIBLE TAPE ELECTRONICS PACKAGING

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(Amended) An electronic package substrate comprising:

a thin, flexible, electrically insulating film having a conductor region to mount an integrated circuit;

a plurality of traces within the film, including within the conductor region; and a plurality of lands on a surface of the film and coupled to the traces, wherein the lands are to mount corresponding pads of the integrated circuit in a ball grid array.

- 18. The electronic package substrate recited in claim 17, wherein the film is formed of material from the group comprising a polymeric film, polyimide, polyester, polyparabanic acid, epoxy, and fiberglass.
- 19. (Amended) The electronic package substrate recited in claim 17, wherein the film comprises a plurality of layers, each comprising a plurality of traces.
  - 21. (Amended) An electronic package comprising:

an electrically insulating film having a thickness in the range of approximately .15 to .90 millimeters, the film having a conductor region, a plurality of traces in the conductor region, and a plurality of lands coupled to the traces; and

an integrated circuit having a plurality of pads coupled to the plurality of lands in a ball grid array.

22. The electronic package recited in claim 21, wherein the film is formed of material from the group comprising a polymeric film, polyimide, polyester, polyparabanic acid, epoxy, and fiberglass.

23. The electronic package recited in claim 21, wherein the film comprises a plurality of layers, each comprising a plurality of traces in the conductor region, and wherein each layer has a thickness within the range of approximately .15 to .30 millimeters.

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26. (Amended) An electronic system having at least one electronic assembly comprising:
a thin, flexible, electrically insulating film having a conductor region, a plurality of traces
in the conductor region, and a plurality of lands coupled to the traces; and
an integrated circuit having a plurality of pads coupled to the plurality of lands in a ball
grid array.

- 27. The electronic system recited in claim 26, wherein the film is formed of material from the group comprising a polymeric film, polyimide, polyester, polyparabanic acid, epoxy, and fiberglass.
- 28. The electronic system recited in claim 26, wherein the film comprises a plurality of layers, each comprising a plurality of traces in the conductor region.

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(Amended) A data processing system comprising:

a bus coupling components in the data processing system;

a display coupled to the bus;

a memory coupled to the bus; and

a processor coupled to the bus and comprising an electronic assembly including,

a thin, flexible electrically insulating film having a conductor region, a plurality of traces in the conductor region, and a plurality of lands coupled to the traces; and

an integrated circuit having a plurality of pads coupled to the plurality of lands in a ball grid array.

- 32. The data processing system recited in claim 31, wherein the film is formed of material from the group comprising a polymeric film, polyimide, polyester, polyparabanic acid, epoxy, and fiberglass
- 33. The data processing system recited in claim 31, wherein the film comprises a plurality of layers, each comprising a plurality of traces in the conductor region.
- The electronic package substrate recited in claim 17, wherein the film comprises one or more vias coupled to corresponding ones of the traces.
  - 36. The electronic package substrate recited in claim 19, wherein the film comprises one or more vias to couple traces within different layers.
  - 37. A package substrate comprising:
  - a thin, flexible, electrically insulating film having a conductor region to mount an integrated circuit;
  - a plurality of traces, at least some of which are within the conductor region; one or more vias within the film and coupled to corresponding ones of the traces; and a plurality of lands on a surface of the film and coupled to the traces, wherein the lands are to mount corresponding pads of the integrated circuit.
  - 38. The package substrate recited in claim 37, wherein the film is formed of material from the group comprising a polymeric film, polyimide, polyester, polyparabanic acid, epoxy, and fiberglass.
  - 39. The package substrate recited in claim 37, wherein the film comprises a plurality of layers, each comprising a plurality of traces.

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- 40. The package substrate recited in claim 39, wherein the one or more vias couple traces within different layers.
- 41. The electronic package recited in claim 21, wherein the film comprises one or more vias coupled to corresponding ones of the traces.

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- 42. The electronic package recited in claim 23, wherein the film comprises one or more vias to couple traces within different layers.
- 43. The electronic system recited in claim 26, wherein the film comprises one or more vias coupled to corresponding ones of the traces.
- 44. The electronic system recited in claim 28, wherein the film comprises one or more vias to couple traces within different layers.
- 45. The data processing system recited in claim 31, wherein the film comprises one or more vias coupled to corresponding ones of the traces.
- 46. The data processing system recited in claim 33, wherein the film comprises one or more vias to couple traces within different layers.